## PCT/SE 03/00070

#### A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E06B 3/54, E04B 2/88, E04D 3/06
According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

## IPC7: E06B, E04B, E04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

### SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

# EPO-INTERNAL, WPI DATA, PAJ

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	SE 462291 B (FIRMAN EDUARD HUECK), 28 May 1990 (28.05.90)	1-8		
A	NO 309827 B1 (PILKINGTON UNITED KINGDOM LTD.), 2 April 2001 (02.04.01)	1-8		
A	US 4809475 A (H. EMMER), 7 March 1989 (07.03.89)	1-8		
A	US 4854098 A (H. EMMER), 8 August 1989 (08.08.89)	1-8		
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` <b>A</b>	US 5199236 A (G.R. ALLEN), 6 April 1993 (06.04.93)	1-8		

Further documents are listed in the continuation of Box	C.	X See patent family annex.			
Special categories of cited documents:	*T*	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
document defining the general state of the art which is not considered to be of particular relevance					
	"X"				
document which may throw doubts on priority claim(s) or which is		considered novel or cannot be considered to involve an inventive step when the document is taken alone			
	*Y*	document of particular relevance: the claimed invention cannot be			
document referring to an oral disclosure, use, exhibition or other		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			
means					
the priority date claimed	<b>"&amp;"</b>				
e of the actual completion of the international search	Date of mailing of the international search report				
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16 April 2003		2 4 -04- 2003			
Name and mailing address of the ISA/		Authorized officer			
<del>-</del>					
Box 5055, S-102 42 STOCKHOLM		Björn Lindkvist / MRo			
Facsimile No. +46 8 666 02 86		Telephone No. + 46 8 782 25 00			
	Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  a of the actual completion of the international search  April 2003 The and mailing address of the ISA/ edish Patent Office 15055, S-102 42 STOCKHOLM	document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  a of the actual completion of the international search  Date of the actual completion of the ISA/ edish Patent Office a 5055, S-102 42 STOCKHOLM  Björ			

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SE 03/00070

29/03/03

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